

## **I CLAIM AS MY INVENTION:**

1. A method for increasing hair volume or length, comprising the following steps:

providing a plurality of extensions comprising several hairs, which are connected by a fixing element, said extensions being aligned and substantially parallel with their fixing elements located on a support tape having an adhesive face;

adhering the adhesive face of the support tape to head hair and positioning the extensions;

connecting the extensions with the head hair by attaching the fixing elements to the head hair.
2. A method according to claim 1, wherein the extensions of one support tape are connected with the head hair simultaneously.
3. A method according to claim 1, wherein the extensions are attached by activating connection means which are provided on the fixing elements.
4. A method according to claim 1, wherein the extensions are attached by activating the fixing elements which are connection means for connecting the extensions with the head hair.
5. A method according to claim 1, wherein the extensions are attached by activating connection means by an application of heat.
6. A method according to claim 1, wherein the extensions are attached by activating connection means by an application of ultrasonic energy.

7. A method according to claim 1, wherein the extensions are attached by activating connection means by an application of at least one of the group of mechanical energy, heat and ultrasonic energy by means of a gripper device with two pressure elements which are elongated to apply a uniform pressure along a length of the tape.

8. A method according to claim 7, wherein the gripper device has a fixed jaw and a pressure element which is moved by an actuation means against said fixed jaw.

9. A method according to claim 8, wherein the pressure element of the gripper device is pivotable to compensate for differences in a thickness of the hair.

10. A method according to claim 7, wherein the pressure element of the gripper device is driven by an electric motor.

11. A method according to claim 3, wherein the said connection means comprises glue.

12. A method according to claim 11, wherein the glue is activated by exposure to ambient air.

13. A method according to claim 1, wherein a protective tape which is provided on said support tape is removed before adhering the support tape to the head hair.

14. An assembly for increasing hair volume or length comprising:  
a support tape having an adhesive face;  
a plurality of extensions, comprising several hairs, which are connected by a fixing element, said extensions being aligned and substantially parallel with their fixing elements located on the support tape;

connecting means associated with the fixing elements to connect the extensions to head hair.

15. An assembly according to claim 14, wherein said connecting means comprises the fixing element itself.

16. An assembly according to claim 14, wherein said connecting means is applied separately to said fixing element.

17. An assembly according to claim 14, wherein said support tape is transparent.

18. An assembly according to claim 14, wherein the fixing elements are made of a thermoplastic material.

19. An assembly according to claim 18, wherein the thermoplastic material is made of one of a group consisting of polyester and polyamide and polyurethane.

20. An assembly according to claim 14, wherein a protective tape is provided on said support tape to be removed before adhering the support tape to the head hair.

21. An assembly according to claim 14, wherein the support tape is resistant to heat.

22. An assembly according to claim 14, wherein the fixing elements include decorative elements.

23. An assembly according to claim 14, wherein the adhesive face of the support tape is based upon an adhesive of a non-permanent and revisable type operated by pressure and with an adhesive force on the support tape greater than that produced on the thermoplastic material of the fixing elements.

24. An assembly according to claim 14, wherein the connecting means comprises an adhesive substance comprised of one of the group consisting of thermoplastic material, thermosetting material, heat-activated glues and glues activated by exposure to air.

25. An assembly according to claim 14, wherein the fixing elements are arranged along a straight line with spaces between them on the support tape.

26. An assembly according to claim 14, wherein the hair of the extensions is of different color than that of the head hair.

27. An assembly according to claim 14, wherein the fixing elements comprises plates having at least layers of plastic with different melting points.

28. A method for adding at least one of highlights and low lights to head hair, comprising the following steps:

providing a plurality of extensions comprising several hairs, at least some of which have a color different than a color of the head hair, which plurality of extensions are connected by a fixing element, said extensions being aligned and substantially parallel with their fixing elements located on a support tape having an adhesive face;

adhering the adhesive face of the support tape to head hair and positioning the extensions;

connecting the extensions with the head hair by attaching the fixing elements to the head hair.

29. A system for use in increasing hair volume or length, comprising:

a support tape having an adhesive face;

a plurality of extensions, comprising several hairs, which are connected by a fixing element, said extension being aligned and substantially parallel with their fixing elements located on the support tape;

connecting means associated with the fixing elements to connect the extensions to head hair; and

a gripper device for applying at least one of mechanical energy, heat and ultrasonic energy via at least one of two pressure elements which are elongated to apply a uniform pressure along a length of the tape.